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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/604,510	07/28/2003	SI Ouyang	9843-US-PA	1509
31561	7590	01/22/2007	EXAMINER	
JIANQ CHYUN INTELLECTUAL PROPERTY OFFICE			AGUSTIN, PETER VINCENT	
7 FLOOR-1, NO. 100			ART UNIT	PAPER NUMBER
ROOSEVELT ROAD, SECTION 2			2627	
TAIPEI, 100				
TAIWAN				
SHORTENED STATUTORY PERIOD OF RESPONSE		MAIL DATE	DELIVERY MODE	
3 MONTHS		01/22/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	10/604,510	OUYANG, SL
	<b>Examiner</b>	<b>Art Unit</b>
	P. Agustin	2627

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

1) Responsive to communication(s) filed on 27 December 2006.  
 2a) This action is FINAL.                    2b) This action is non-final.  
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

4) Claim(s) 1-18 is/are pending in the application.  
 4a) Of the above claim(s) 7-18 is/are withdrawn from consideration.  
 5) Claim(s) \_\_\_\_\_ is/are allowed.  
 6) Claim(s) 1 and 6 is/are rejected.  
 7) Claim(s) 2-5 is/are objected to.  
 8) Claim(s) 1-18 are subject to restriction and/or election requirement.

#### Application Papers

9) The specification is objected to by the Examiner.  
 10) The drawing(s) filed on 28 July 2003 is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All    b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date: _____
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)	5) <input type="checkbox"/> Notice of Informal Patent Application
Paper No(s)/Mail Date: _____	6) <input type="checkbox"/> Other: _____

## **DETAILED ACTION**

1. Claims 1-18 are now pending.

### ***Election/Restrictions***

2. Applicant's election of Group I & species (a), claims 1-6, in the reply filed on December 27, 2006 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

3. Claims 7-18 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention/species, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on December 27, 2006.

### ***Priority***

4. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

### ***Information Disclosure Statement***

5. The information disclosure statement filed August 4, 2005 fails to comply with the provisions of 37 CFR 1.97, 1.98 and MPEP § 609 because there appears to be an inconsistency between the document listed on the IDS and the foreign reference provided by the applicant. The IDS lists "ROC Patent Publication 92107481" to which the present application claims foreign priority, while the supplied foreign document appears to be very similar to U.S. Patent 6,392,569 issued to Mimachi et al., which claims foreign priority to Japanese application no. 11-011142. The IDS has been placed in the application file, but the information referred to therein has not been considered as to the merits. Applicant is advised that the date of any re-submission of any

item of information contained in this information disclosure statement or the submission of any missing element(s) will be the date of submission for purposes of determining compliance with the requirements based on the time of filing the statement, including all certification requirements for statements under 37 CFR 1.97(e). See MPEP § 609.05(a).

***Claim Rejections - 35 USC § 102***

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

7. Claims 1 & 6 are rejected under 35 U.S.C. 102(b) as being anticipated by Mimachi et al. (US 6,392,569).

In regard to claim 1, Mimachi et al. disclose a method for decoding disc information (see title), comprising the steps of: receiving an original data signal (column 6, line 31: “binary EFM signal”) and a clock signal (column 6, lines 30-31: “playback clock PCK based on the binary EFM signal”); modulating the original data signal when a duration of the same status of the original data signal is less than a minimum transit period of the clock signal (see abstract: “correcting the detected 1T and 2T signals to 0 or 3T...modulating the RF signal from which the 1T and 2T have been removed”), so as to obtain a guaranteed-waveform data signal, wherein the duration of the same status of the guaranteed-waveform data signal is greater than the minimum transit period of the clock signal (in this case, the minimum transit period is 3T); and continuously decoding by using the guaranteed-waveform data signal and the clock signal, so as

to obtain the disc information (abstract: "demodulation circuit for demodulating by EFM a signal after modulation by EFM").

In regard to claim 6, Mimachi et al. disclose that the minimum transit period is 3 periods of the clock signal (note "3T" in abstract).

***Allowable Subject Matter***

8. Claims 2-5 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

***Conclusion***

9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Tanaka et al. (US 5,912,869) disclose a data reproduction method and apparatus wherein if an NRZI signal with an inversion interval less than 3T is detected, a read error is recognized.

Yamaguchi (US 6,721,254) disclose a coding method wherein a minimum inversion length of 2 is employed.

Okada et al. (US 6,175,542) disclose a demodulation circuit wherein a synchronization signal is represented by a pattern of pulses having widths 3T, 1T, 1T, 3T so as to differentiate the synchronization signal from the addresses and the CRC codes.

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to P. Agustin whose telephone number is 571-272-7567. The examiner can normally be reached on Monday-Thursday 8:30-6:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrea Wellington can be reached on 571-272-4483. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

P. Agustin  
Art Unit 2627

  
**TAN DINH**  
**PRIMARY EXAMINER**

1116/07